

C L A I M S

1. Process for the production of a pipeline-transportable crude oil from a bitumen feed, comprising;
- 5 (1) dividing the bitumen feed into two fractions, the first fraction comprising between 20 and 80 wt% of the feed, the second fraction comprising between 80 and 20 wt% of the total feed, (the two fraction together forming 100 wt % of the feed),
- (2) distillation of the first fraction obtained in step (1) (preferably under vacuum) into a light fraction
- 10 boiling below 380 °C (preferably the 450- °C fraction, more preferably the 510- °C fraction) and a residual fraction,
- (3) thermal cracking (of at least part of, preferably all of,) the residual fraction obtained in the distillation process described in step (2),
- 15 (4) distillation of the product obtained in step (3) into one or more light fraction (boiling below 350 °C), optionally one or more intermediate fractions (boiling between 350 and 510 °C) and a heavy fraction (boiling
- 20 above at least 350 °C),
- (5) combining the second fraction obtained in step (1), the light fraction obtained in step (2) and the light fraction(s) obtained in step (4) to obtain a pipeline-transportable crude oil, and
- 25 (6) using heavy fraction obtained in step (4) for the generation of power and/or heat.
2. Process according to claim 1, in which the bitumen feed in step (1) is divided into two fractions, the first

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fraction comprising between 40 and 60 wt% of the feed and the second fraction comprising between 60 and 40 wt% of the total feed, (the two fraction together forming 100 wt % of the feed).

- 5        3. Process according to claim 1 or 2, in which the thermal cracking is carried out in a soaker vessel.
4. Process according to any of claims 1 to 3, in which the thermally cracked product is split by distillation into a light fraction (boiling below 350 °C), an
- 10       intermediate fraction (boiling between 350 and 510 °C) and a heavy fraction (boiling above 510 °C).
5. Process according to claim 4, in which (at least part of, preferably all) the intermediate fraction is also added to the pipeline-transportable crude oil of
- 15       step (5).
6. Process according to claim 4, in which the intermediate fraction is thermally cracked, followed by distillation in a light product and a heavy product, the light product being added to the pipeline-transportable
- 20       crude oil mentioned in step (5), and the heavy fraction preferably used in the generation of power and/or heat as described in step (6).
7. Process as described in claim 6, in which the thermal cracking is carried out at a temperature between 450 and
- 25       520 °C and a pressure between 5 and 50 bara.
8. Process as described in any of claims 1 to 7, in which the thermal cracking of step 3 is carried out at a temperature between 420 and 500 °C and a pressure between 2 and 20 bara.
- 30       9. Pumpable syncrude obtainable by a process according to any one of claims 1 to 8.